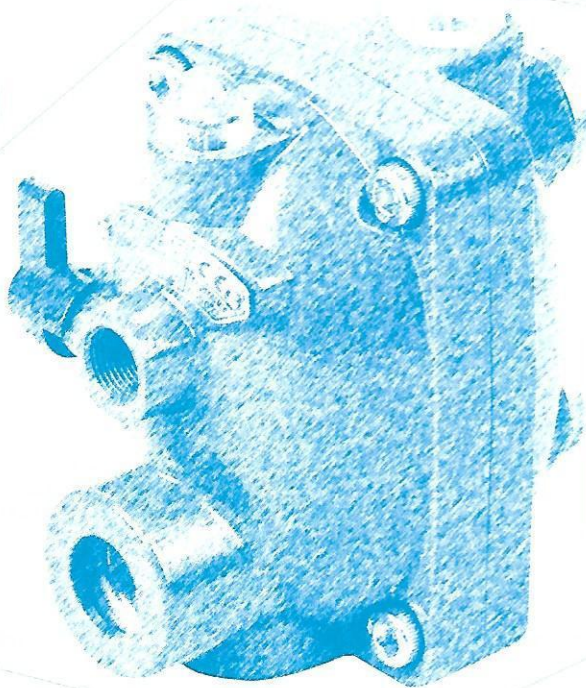


Condensate draining Technic

ACE DRAIN TRAP



Patent

Design

Trade Mark

Quality Standard : ISO 9001



We are ACE

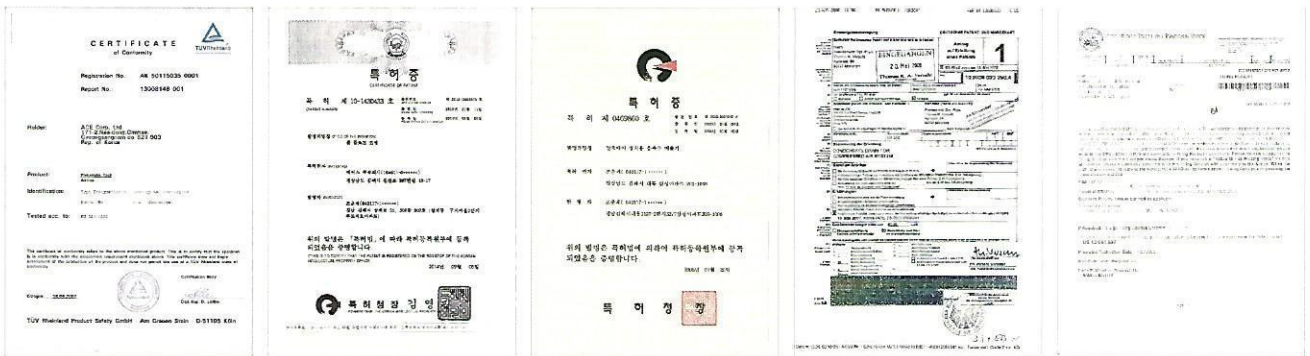
Condensate Treatment Specialist

HISTORY

- 2013. Obtained PCT of 30 countries
- 2009. Appointed qualified export-oriented company
- 2008. Partnership with Hyundai ship builder
- 2007. Certified to North-America & Germany patents
- 2001. ACE Corp. Ltd established
- 1994. BEKO Korea established



Certifications



Effective maintenance for energy saving

Working pressure	7bar
Leak points	10points
Orifice	3.2 ϕ
Operating time	24hr/day
Net price of 1 m ³	about 2cents(US\$)



The annual loss amount in the above condition is the following.
 $0.735\text{m}^3 \times 60\text{mins} \times 24\text{hrs} \times 365\text{days} \times 10\text{Points} \times 2\text{cents}$

=US\$ 7,726

Leakage volume (Liter/min)

		Pressure(bar)					
		3	4	5	6	7	8
Orifice (ϕ)	0.4	6	7.5	8.5	10	11.5	13.5
	0.8	24	30	34	42	46	54
	1.6	95	120	135	167	184	215
	3.2	382	478	543	670	735	860
	6.4	1,582	1,900	2,170	2,700	2,950	3,450

Fast feedback on investment from installation less than 1~2 months

A common method of draining off unwanted moisture is to open a valve permanently which creates tremendous air loss. This action only solves temporarily the problem of removing the condensate but has an obvious cost by continual air loss. Until recently, energy wasted in compressed air system has been overlooked or ignored.

Concept



Laboratory tested,
field-proven results

From die casting mold, machining to
assembly as one stop processing.

Guaranteed performance of ACETRAP

Thousands of ACETRAP are operating successfully in the field. That's why ACE Corp. Ltd can offer the following warranty.

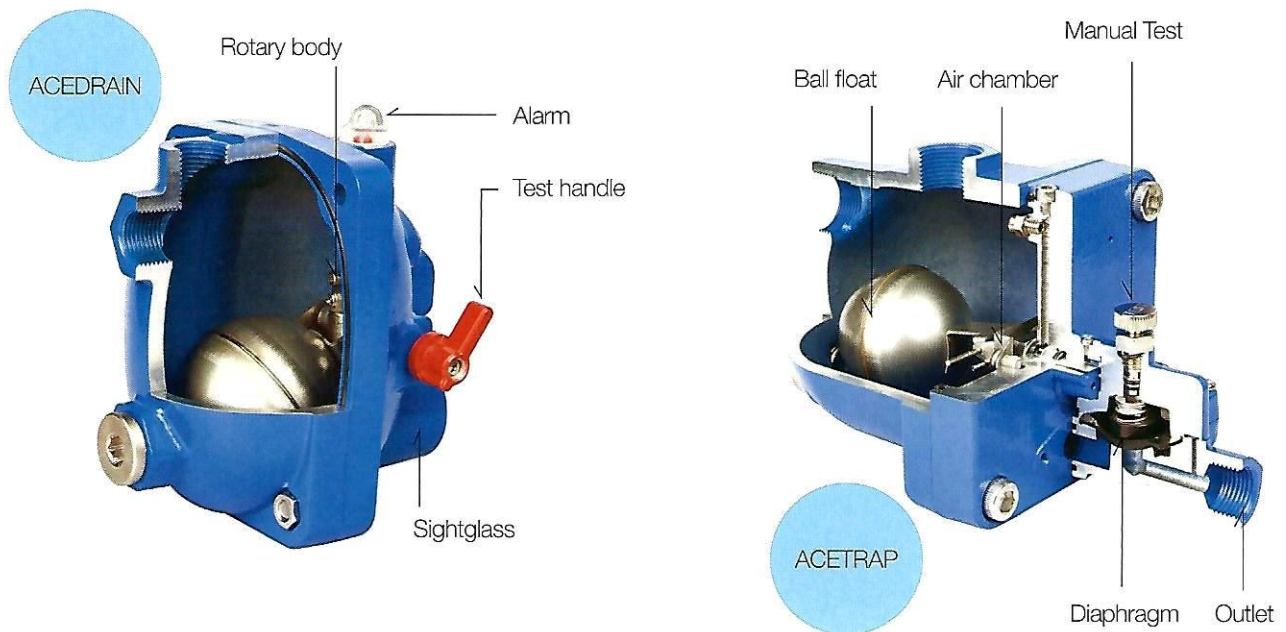
- Long life of diaphragm
- Few maintenance
- Applicable in freezing area

New leading technology of ACEDRAIN

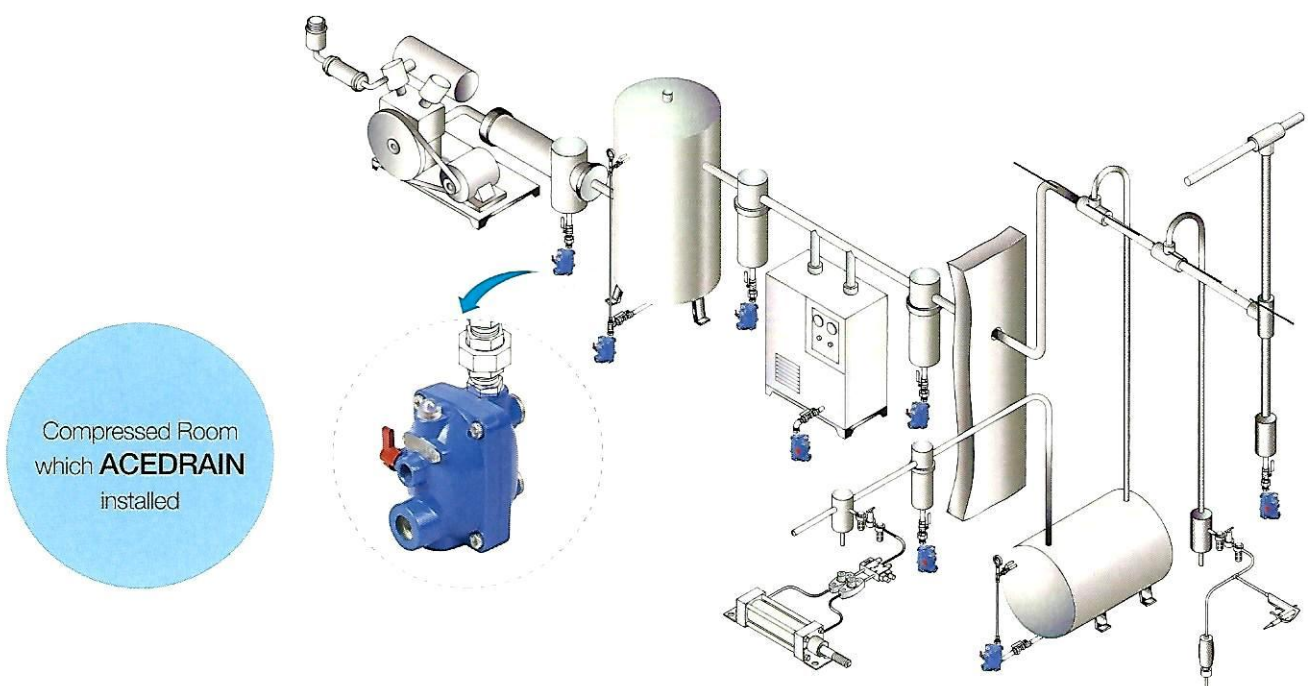
We develop an innovative new concept of ACEDRAIN with ball valve system.

- Stable performing
- Visible inside
- Self cleaning
- Direct open the ball valve

Components



General compressed Airline systems



ACEDRAIN Series



Product Features

- Zero Air-loss
- No electrical power
- See-through sightglass
- 0 ~ 16 bar with singal range.
- Alarm indicator
- Manual test handle
- Strong for large particles
- Auto cleaning systems

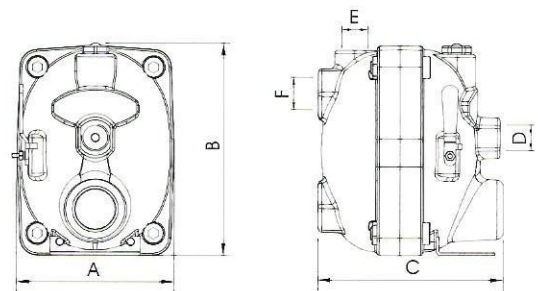
Product Options

- Central controlled alarm method
- NPT thread
- Filter set 1/2", 3/4" is available for large particles
- Heater for freeze protection in winter season.

SPECIFICATION

Model	Inlet	Outlet	Press. (kg/cm ²)	Temp. (°C)	Vol. (ℓ/h)	F.A.D/ Comp (m ³ /min)
Acedrain 25	1/2"	3/8"	0~16	0~60	25	40
Acedrain 35	1/2"	3/8"	0~16	0~60	50	80
Acedrain 50	3/4"	1/2"	0~16	0~60	100	130
Acedrain 100	1"	1/2"	0~16	0~60	300	250

DIAGRAM

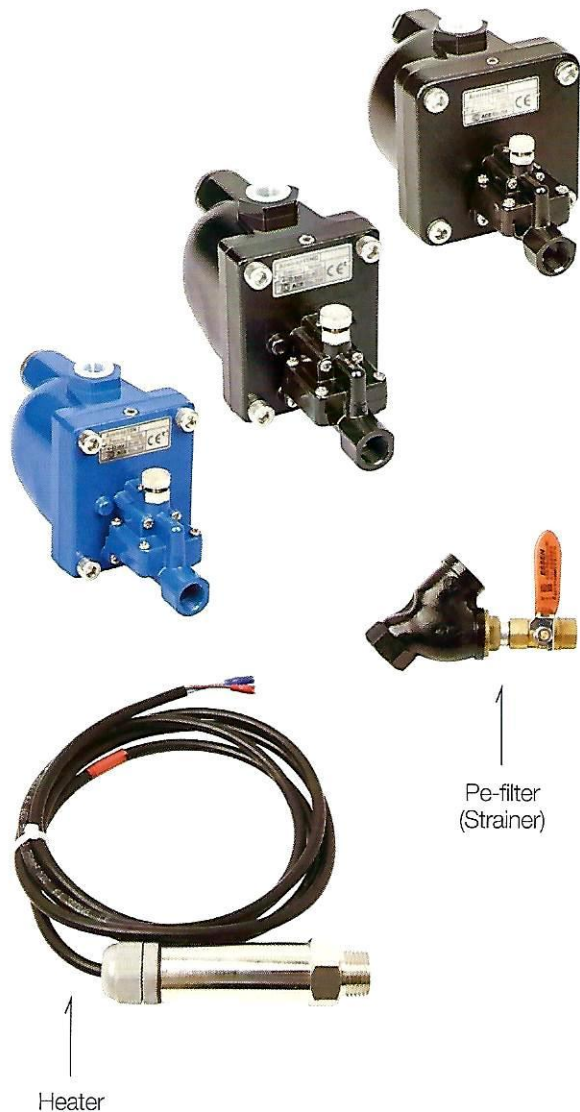


Product Features

- No electrical power
- Big orifice (7mm)
- Zero air-loss
- Simple mechanism
- Easy Maintenance-All moving parts can be replaced quickly
- Test Button:- It allows the drain to be tested at any time to assure the drain is operating as designed.

Product Options

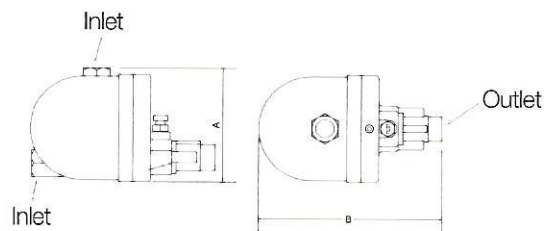
- NPT thread
- Filter set 1/2", 3/4" is available for large particles
- Heater for freeze protection in winter season.



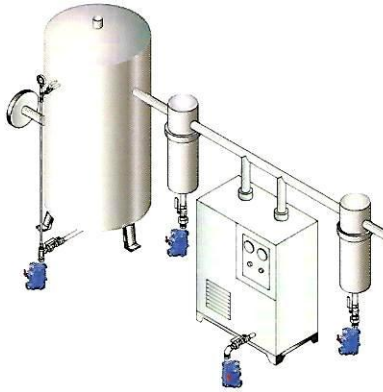
SPECIFICATION

Model	Inlet	Outlet	Press. (kg/cm ²)	Temp. (°C)	Vol. (ℓ/h)	F.A.D/ Comp (m ³ /min)
Acetrap15(L,N,H) Acetrap15(L,N,H)C	1/2"	3/8"	L. 0.8-3 N. 3-9.9 H. 10-16	0~60	3~15	50
Acetrap20(L,N,H) Acetrap20(L,N,H)C	3/4"	1/2"	L. 0.8-3 N. 3-9.9 H. 10-16	0~60	6~30	130

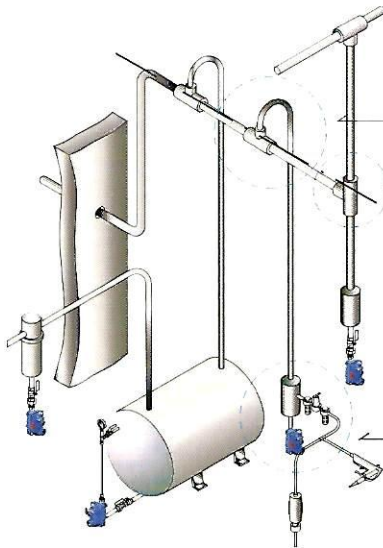
DIAGRAM



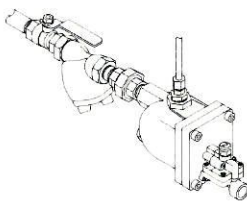
Installation Guide



- 01_ Install under the receiver tank, filter and dryer which is most condensate collected.
- 02_ No need balance line at the point of filter which have vertical inlet.
- 03_ Surely need balance line at the point of receiver tank which is horizontal inlet.

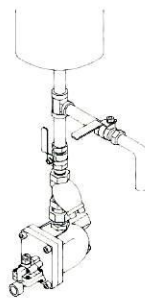


- 01_ When the case of long line piping, there is always moisture and forming water so you should drain out regularly.
- 02_ Surely use T piping
- 03_ In the point of end line, use air and water seperator(manifold) and Acetrap.



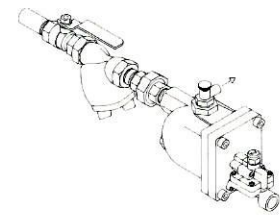
A

Installation shown above is typical for applications that requires condensate enter the side inlet. This type application requires the use of a balance line (same pressure line)



B

Installation above is typical when the drain can be mounted directly under the condensate source, there can be no bends or elbows in the pipe work running into the drain. Filters and some Receiver tank applications allow the drain to be installed this way.



C

Installation shown above can be used when the condensate must come in the side inlet, but a balance can not be run. The speed control valve vents a small amount of air in order to prevent an air lock of the drain.

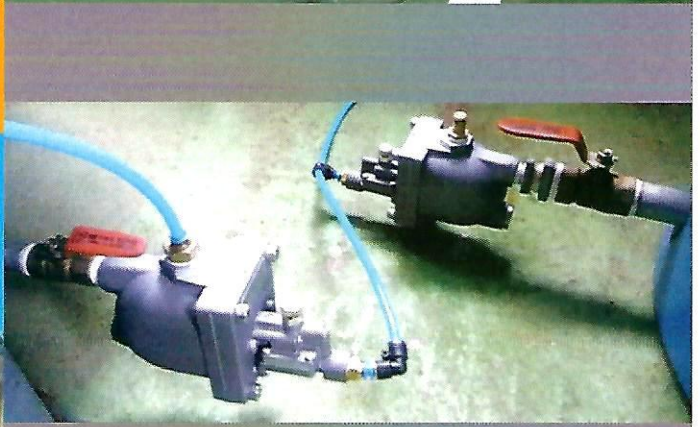
Application



Receiver tank
(Should install balance line)



Install at piping line



Acetrap at Compressor
with balance line

